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... like "It is RECOMMENDED that a **NAT** does not attempt to preserve the **RTCP=RTP+1**
port contiguity rule". What do people think? > ----Original Message---- ...
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... already decided against the **RTCP=RTP+1** rule because that was too complex for a **NAT**.
... **NAT** device, > just to accomodate a single application: **RTP/RTCP**. ...
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Network Working Group Magnus Westerlund INTERNET-DRAFT Ericsson ...
... four different types of **NAT** traversal techniques that can be used by **RTSP**. ... Ensure that
the same public IP address is used for each **RTP/RTCP** port ...

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	4	(RTSP or real near3 time near3 stream$4 near5 protocol$4) same (NAT or network near3 address$4 near3 translation$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 12:56
S2	2	(RTSP or real near3 time near3 stream$4 near5 protocol$4) same stor$4 near10 port$4 near10 number$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/18 12:16
S3	30	(RTSP or real near3 time near3 stream$4 near5 protocol$4) near10 gateway$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/18 12:27
S4	4	(RTSP or real near3 time near3 stream$4 near5 protocol$4) near10 router$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/18 12:16
S5	368	(RTSP RTP or real near3 time near5 protocol$4) near10 gateway$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/18 12:27
S6	10	(RTSP RTP or real near3 time near5 protocol$4) near10 gateway$4 and 709/227-232.ccls. and @ad<"20020212"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/18 12:30
S7	5	config$6 near10 (rout$1 gateway$2) near10 table$1 and 709/227-232.ccls. and @ad<"20020212"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/18 12:31
S8	30	(RTSP or real near3 time near3 stream$4 near5 protocol$4) near10 gateway$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 12:59
S9	133	(RTSP or real near3 time near3 stream$4 near5 protocol$4) near10 connect$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 13:13

S10	29	(RTSP or real near3 time near3 stream$4 near5 protocol$4) near10 connect$4 near10 port$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 13:01
S11	3	(RTSP or real near3 time near3 stream$4 near5 protocol$4) near10 NAT	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 13:02
S12	5	(RTSP or real near3 time near3 stream$4 near5 protocol$4) same cluster$4 near10 server$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 13:03
S13	0	(RTSP or real near3 time near3 stream$4 near5 protocol$4) same cluster$4 same port$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 13:07
S14	171	(RTSP or real near3 time near3 stream$4 near5 protocol$4) same port$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 13:03
S15	84	(RTSP or real near3 time near3 stream$4 near5 protocol$4) same port$4 and @ad<"20020212"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 13:04
S16	37	(RTSP or real near3 time near3 stream$4 near5 protocol$4) near10 port$4 and @ad<"20020212"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 13:04
S17	0	(RTSP or real near3 time near3 stream$4 near5 protocol$4) near10 port$4 and @ad<"20020212" and 709/227-228.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 13:04
S18	7	(RTSP or real near3 time near3 stream$4 near5 protocol$4) same cluster$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 13:08
S19	9	(RTSP or real near3 time near3 stream$4 near5 protocol$4) same load$1 near4 balanc$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 13:08

S20	0	(RTSP or real near3 time near3 stream$4 near5 protocol$4) near10 (NAt or network$4 near5 address$4 near5 translat$4) near10 table$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 13:14
S21	7	(RTSP or real near3 time near3 stream$4 near5 protocol$4) and (NAt or network$4 near5 address$4 near5 translat$4) near10 table$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 13:25
S22	7	(RTSP or real near3 time near3 stream$4 near5 protocol$4) and (NAt or network$4 near5 address$4 near5 translat$4 napt) near10 table$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 13:29
S23	57	(RTSP or real near3 time near5 protocol$4) and (NAt or network$4 near5 address$4 near5 translat$4 napt) near10 table$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 13:29
S24	5	(RTSP or real near3 time near5 protocol$4) same (NAt or network$4 near5 address$4 near5 translat$4 napt) near10 table$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 13:31
S25	6	(RTSP or real near3 time near5 protocol$4) same (NAt or address$4 near5 translat$4 napt) near10 table$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 13:55
S26	9	(RTSP or real near3 time near5 protocol$4) and updat$4 near10 (NAt or address$4 near5 translat$4 napt) near10 table$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 13:35
S27	104	creat$4 near10 entr$4 same (NAt or address$4 near5 translat$4 napt) near10 table$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 13:56
S28	0	creat$4 near10 entr$4 same (NAt or address$4 near5 translat$4 napt) near10 table$1 and 709/237.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 13:56
S29	6	creat$4 near10 entr$4 same (NAt or address$4 near5 translat$4 napt) near10 table$1 and 709/227-229.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 13:57

S30	4	load near10 balanc$4 near10 server$1 near10 (address$4 near5 translat$4 NAT) near10 table$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 13:59
S31	7278	load near10 balanc$4 near10 server$1 and updat$4 (address$4 near5 translat$4 NAT) near10 table$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 13:59
S32	1	load near10 balanc$4 near10 server$1 and updat$4 near10 (address$4 near5 translat$4 NAT) near10 table$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:00
S33	12	load near10 balanc$4 and updat$4 near10 (address$4 near5 translat$4 NAT) near10 table$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:02
S34	2	cluster$4 near10 updat$4 near10 (address$4 near5 translat$4 NAT) near10 table$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:00
S35	17	"04438"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:03
S36	60	NAT near10 table$1 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:04
S37	0	NAT near10 table$1 same cluster$4 and RTSP and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:12
S38	0	NAT near10 table$1 same cluster$4 and RTP and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:05
S39	4	NAT near10 table$1 and RTP and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:07

S40	0	NAT near10 table$1 and RTsp and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:07
S41	1	gateway same RTsp and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:11
S42	0	NAT near10 table$1 same setup and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:12
S43	20	address near5 translat$4 near10 table$1 same setup and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:12
S44	15	address near5 translat$4 near10 table$1 same setup and port$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:13
S45	11	(RTSP or real near3 time near3 stream$4 near5 protocol$4) same setup and port$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:13
S46	4	(RTSP or real near3 time near3 stream$4 near5 protocol$4) same setup same port$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:16
S47	0	(RTSP or real near3 time near3 stream$4 near5 protocol$4) and setup near10 connect44 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:16
S48	14	(RTSP or real near3 time near3 stream$4 near5 protocol$4) and setup near10 connect$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:22
S49	1	(RTSP or real near3 time near3 stream$4 near5 protocol$4) near10 control near10 port$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:23

S50	28	(RTSP or real near3 time near3 stream$4 near5 protocol$4) near10 control near10 port$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:22
S51	17	(RTSP or real near3 time near3 stream$4 near5 protocol$4) near10 control and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:24
S52	3	(RTSP or real near3 time near3 stream$4 near5 protocol$4) near10 (gateway$2 router$1) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:24
S53	3	(RTSP or real near3 time near3 stream$4 near5 protocol$4) near10 (gateway$2 router$1 NAT address$4 near5 translat$4) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:27
S54	34	(RTSP or real near3 time near3 stream$4 near5 protocol$4) near10 (gateway$2 router$1 NAT address$4 near5 translat$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:33
S55	8	(NAT address$2 near5 translat$4) near10 table$4 near10 (entry entries) same stream$4 near10 control$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:34
S56	74	(NAT address$2 near5 translat$4) near10 table$4 near10 (entry entries) near10 (creat$4 updat$4 insert$4) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:34
S57	1	(NAT address$2 near5 translat$4) near10 table$4 near10 (entry entries) near10 (creat$4 updat$4 insert$4) and @ad<"19990818" and 709/227-229,235.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:35
S58	74	(NAT address$2 near5 translat$4) near10 table$4 near10 (entry entries) near10 (creat$4 updat$4 insert$4) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:36
S59	9	(NAT address$2 near5 translat$4) near10 table$4 near10 (entry entries) near10 (creat$4 updat$4 insert$4) and @ad<"19990818" and "709"/$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:41

S60	28	@ad<"19990818" and "709"/245. ccls. and (address$4 near5 translat$4 NAT) near10 table$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:43
S61	4	@ad<"19990818" and "709"/245. ccls. and (address$4 near5 translat$4 NAT) near10 table$1 near10 port$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:47
S62	5	@ad<"19990818" and "709"/235, 245-247.ccls. and (address$4 near5 translat$4 NAT) near10 table$1 near10 port$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:49
S63	0	@ad<"19990818" and "709"/235, 245-247.ccls. and (address$4 near5 translat$4 NAT) near10 table$1 and RTSP	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:49
S64	14	@ad<"19990818" and "709"/235, 245-247.ccls. and (address$4 near5 translat$4 NAT) near10 table$1 and control near10 packet$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:50
S65	279	@ad<"19990818" and (address$4 near5 translat$4 NAT) near10 table$1 and control near10 packet$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:50
S66	41	@ad<"19990818" and (address$4 near5 translat$4 NAT) near10 table$1 same control near10 packet$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:50
S67	60	@ad<"19990818" and (address$4 near5 translat$4 NAT) near10 table$1 same stream$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 14:53
S68	15	@ad<"19990818" and (address$4 near5 translat$4 NAT) near10 table$1 same establish$4 near5 connect$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 15:02
S69	27398	@ad<"19990818" and (address$4 near5 translat$4 NAT) near10 table$1 creat$4 near10 entr$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 15:03

S70	26	@ad<"19990818" and (address$4 near5 translat$4 NAT) near10 table$1 near10 creat$4 near10 entr$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 15:28
S71	90	@ad<"19990818" and (address$4 near5 translat$4 NAT) near10 table$1 near10 creat$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 15:28
S72	0	@ad<"19990818" and (address$4 near5 translat$4 NAT) near10 table$1 near10 creat$4 near10 stream$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 15:31
S73	0	@ad<"19990818" and (address$4 near5 translat$4 NAT) near10 RTSP near10 entr$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 15:31
S74	0	@ad<"19990818" and (address$4 near5 translat$4 NAT) same RTSP same entr$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 15:31
S75	0	@ad<"19990818" and (address$4 near5 translat$4 NAT) same RTSP same connect$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 15:31
S76	2	@ad<"19990818" and (address$4 near5 translat$4 NAT) same RTP same connect$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 15:32
S77	39	(address$4 near5 translat$4 NAT) same RTP same connect$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 15:32
S78	6	(address$4 near5 translat$4 NAT) near10 RTP near10 connect$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 15:32
S79	33	(address$4 near5 translat$4 NAT) near10 (table$4 data structure$1) near10 connect$4 near10 establish$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 15:35

S80	188	(address$4 near5 translat$4 NAT) near10 (table$4 data structure$1) near10 sourc$4 near10 destinat$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 15:36
S81	64	(address$4 near5 translat$4 NAT) near10 (table$4 data structure$1) near10 sourc$4 near10 destinat$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 15:43
S82	0	(address$4 near5 translat$4 NAT) near10 (table$4 data structure$1) near10 sourc$4 near10 destinat$4 same concurrent$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 15:41
S83	11	(address$4 near5 translat$4 NAT) near10 (table$4 data structure$1) near10 sourc$4 near10 destinat$4 same entr$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 15:53
S84	1	(address$4 near5 translat$4 NAT) near10 (table$4 data structure$1) near10 client$4 near10 server$4 same entr$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 15:53
S85	19	(RTP RTSP) near10 protocol$4 near10 port$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 15:55
S86	14	(RTP RTSP) near10 control$4 near10 port$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 16:10
S87	9	S85 and S86	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 16:02
S88	2	S85 and S86 and NAT	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 16:03
S89	3	(S85 or S86) and NAT	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 16:05

S90	10	(S85 or S86) and translat$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 16:05
S91	16	RTP near10 control$4 same NAT	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 16:13
S92	11	RTP near10 control$4 same address$4 near5 translat$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 16:16
S93	145	associat$4 near10 control near10 channel$4 near10 stream$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/19 16:16
S94	2	associat$4 near10 control near10 channel$4 near10 stream$4 near10 server$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 07:30
S95	506	(NAT address$2 near5 translat$4 routing) near10 table$1 same control$1 near10 protocol$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 07:33
S96	125	(NAT address$2 near5 translat$4 routing) near10 table$1 same control$1 near10 protocol$1 and "709"/$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 07:33
S97	41	(NAT address$2 near5 translat$4 routing) near10 table$1 near10 control$1 near10 protocol$1 and "709"/$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 07:35
S98	1	(NAT address$2 near5 translat$4 routing) near10 table$1 near10 (RTP RTSP) and "709"/$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 07:34
S99	8	(NAT address$2 near5 translat$4 routing) near10 table$1 near10 control$1 near10 protocol$1 same port$4 and "709"/$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 07:36

S10 0	92	(NAT address$2 near5 translat$4 routing) near10 table$1 same cluster$3 and "709"/$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 07:36
S10 1	36	(NAT address$2 near5 translat$4 routing) near10 table$1 near10 cluster$3 and "709"/$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 07:36
S10 2	2	(NAT address$2 near5 translat$4 routing) near10 table$1 near10 cluster$3 near10 port$1 and "709"/$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 07:37
S10 3	4468	(NAT address$2 near5 translat$4 routing) same (real adj time RTP RTSP)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 07:38
S10 4	203	(NAT address$2 near5 translat$4 routing) same (real adj time RTP RTSP) near10 port$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 07:38
S10 5	153	(NAT address$2 near5 translat$4 routing) same (real adj time RTP RTSP) near10 port$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 07:49
S10 6	66	(NAT address$2 near5 translat$4 routing) same (RTP RTSP) near10 port$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 07:49
S10 7	3	(NAT address$2 near5 translat$4 routing) same (RTP RTSP) near10 port$2 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 07:50
S10 8	5	(server$1 cluster$1) near10 (RTP RTSP) near10 port$2 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 07:54
S10 9	3	(router$1 gateway$1) near10 (RTP RTSP) near10 port$2 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 07:58

S110	34	(router$1 gateway$1) near10 (RTP RTSP) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 07:58
S111	31	(router$1 gateway$1) near10 (RTP RTSP) and @ad<"19990818" not S109	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 07:59
S112	0	(server$1 near10 cluster$4) near10 (RTP RTSP) and @ad<"19990818" not S109	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:00
S113	13	(cluster$4) near10 (RTP RTSP) and @ad<"19990818" not S109	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:02
S114	0	(NAT) near10 (RTP RTSP) and @ad<"19990818" not S109	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:01
S115	0	(address near10 translat$4) near10 (real near5 time near10 protocol$1) and @ad<"19990818" not S109	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:05
S116	4	(server$1 near10 port$1) near10 (RTP RTSP) and @ad<"19990818" not S109	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:02
S117	8	(router$1) near10 (RTP RTSP) and @ad<"19990818" not S109	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:02
S118	66	(router$1) near10 (RTP RTSP) not S109	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:03
S119	0	(NAT) near10 (real near5 time near10 protocol$1) and @ad<"19990818" not S109	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:04

S12 0	2	(address near10 translat$4) near10 table$1 near10 (control near4 protocol$1) and @ad<"19990818" not S109	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:06
S12 1	2	(address near10 translat$4 NAT) near10 table$1 near10 (control near4 protocol$1) and @ad<"19990818" not S109	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:06
S12 2	6	(address near10 translat$4 NAT) near10 table$1 near10 bidirection$5 and @ad<"19990818" not S109	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:33
S12 3	6	(address near10 translat$4 NAT) near10 table$1 near10 bidirection$5 not S109	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:10
S12 4	4790	(address near10 translat$4 NAT) near10 table$1 not S109	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:10
S12 5	3	(address near10 translat$4 NAT) near10 table$1 near10 creat$4not S109	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:10
S12 6	177	(address near10 translat$4 NAT) near10 table$1 near10 creat$4 not S109	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:11
S12 7	513987	(address near10 translat$4 NAT) near10 table$1 near10 creat$4 (entry entries)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:11
S12 8	79	(address near10 translat$4 NAT) near10 table$1 near10 creat$4 near10 (entry entries)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:12
S12 9	3	(address near10 translat$4 NAT) near10 table$1 near10 creat$4 near10 (entry entries) near10 plural$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:12

S13 0	29	(address near10 translat$4 NAT) near10 table$1 near10 creat$4 near10 (entry entries) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:27
S13 1	0	(address near10 translat$4 NAT) near10 table$1 near10 reverse near10 (proxy proxies) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:28
S13 2	17	(address near10 translat$4 NAT) near10 table$1 near10 reverse and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:33
S13 3	1	SYN near10 (RTP RTSP) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:33
S13 4	28	(address near10 translat$4 NAT) near10 SYN and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:52
S13 5	1	(RTP RTSP) near10 SYN and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:36
S13 6	0	(real adj time near5 protocol$1) near10 SYN and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:35
S13 7	0	(RTP RTSP) near10 load$1 near5 balanc$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:36
S13 8	18161435	(address near10 translat$4 NAT) near10 RTCPand @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:52
S13 9	0	(address near10 translat$4 NAT) near10 RTCP and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:52

S140	0	reserve$4 near10 port$1 near10 NAT and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:53
S141	13	reserve$4 near10 port$1 near10 router$1 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:56
S142	1	UDP near10 controL$4 near10 packet$1 near10 (NAT address$3 near5 translat$4) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 09:07
S143	97	controL$4 near10 packet$1 near10 (NAT address$3 near5 translat$4) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:58
S144	27	controL$4 near10 packet$1 near10 (NAT address$3 near5 translat$4) near10 (entry entries table$1) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 08:58
S145	4	UDP near10 controL$4 near10 packet$1 near10 (NAT address$3 near5 translat$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 09:08
S146	0	allocat$4 near10 range$1 near10 port$1 near10 client$1 near10 (address$1 near5 translat$4 NAT)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 09:12
S147	0	allocat$4 near10 range$1 near10 port$1 near10 (address$1 near5 translat$4 NAT)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 09:14
S148	2	allocat$4 near10 range$1 near10 port$1 near10 client$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 09:12
S149	2	allocat$4 near10 range$1 near10 port$1 near10 cluster$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 09:12

S15 0	37	allocat$4 near10 port$1 near10 (address$1 near5 translat$4 NAT)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 10:36
S15 1	0	creat$4 near10 multipl$4 near10 NAT near10 entri$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 09:23
S15 2	21	creat$4 near10 NAT near10 entri$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 09:33
S15 3	1	creat$4 near10 two near10 NAT near10 entri$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 09:26
S15 4	0	creat$4 near10 (three four five six seven eight nine ten) near10 NAT near10 entri$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 09:26
S15 5	3	RTSP near10 cluster$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 09:34
S15 6	24884640	(@ad<"19990818" or @pd<"20010212")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 09:34
S15 7	9	S156 and (real adj3 time adj3 stream$4 adj3 protocol$1 RTSP RTTP RTCP) same (address$3 near5 translat$4 NAT PAT)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 09:53
S15 8	976291	upstream$3 near5 port$1 near10 downstream$3 port$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 10:37
S15 9	3537	upstream$3 near5 port$1 near10 downstream$3 near5 port$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 10:37

S16 0	3	upstream$3 near5 port$1 near10 downstream$3 near5 port$1 and 709/245-247.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 10:38
S16 1	179	upstream$3 near5 port$1 near10 downstream$3 near5 port$1 and "370"/$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 10:38
S16 2	35	upstream$3 near5 port$1 near10 downstream$3 near5 port$1 and (address$3 near5 translat$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 10:42
S16 3	12	upstream$3 near5 port$1 near10 downstream$3 near5 port$1 and (NAT)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 10:43
S16 4	0	upstream$3 near5 port$1 near10 downstream$3 near5 port$1 same (NAT)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 11:33
S16 5	8	(address$4 near5 translat$4 NAT) near10 (real near5 time near5 stream$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 11:35
S16 6	8	"client_port"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 11:39
S16 7	12	RTSP near10 (router$1 gateway$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 11:43
S16 8	5	real adj3 time adj3 stream$4 adj3 protocol$1 near10 (router$1 gateway$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 11:43
S16 9	27	real adj3 time adj3 stream$4 adj3 protocol$1 same (router$1 gateway$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 11:43

S17 0	54	RTSP same (router$1 gateway$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 11:48
S17 1	35	RTSP same (router$1 gateway$1) not S169	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:06
S17 2	97	("6263371" "6735634" "6614809" "6006258" "6779035" "6247072" "6219706" "6219706" "6181697" "6829238" "5956729" "6239793" "6498897" "6754443" "6289377" "6697377" "6519636" "5699359" "6427170" "6360265" "6345047" "6751673" "6195680" "6317795" "6591306" "6865184" "6449269" "6687245" "6353891" "5781550" "6311275" "6643782" "6651099" "6687752" "5905872" "6788647" "6584082" "6212175" "6212175" "5610920" "6529475" "5708654" "6161123" "6356863" "6826616" "6839759" "5999979" "5915087" "6167060" "6374288").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:12
S17 3	0	(open opens opening) near10 port$1 near10 RTSP	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:13
S17 4	20	(open opens opening) near10 port$1 near10 RTP	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:13
S17 5	9	RTSP near10 gateway	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:17
S17 6	17	creat$4 near10 (entry entries) near10 control$4 near10 channel$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:19
S17 7	1295	creat$4 near10 (entry entries) near10 control$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:19

S17 8	275	creat$4 near10 (entry entries) near10 control$4 near10 table$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:21
S17 9	21	creat$4 near10 (entry entries) near10 control$4 near10 table$1 near10 (NAT translat$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:20
S18 0	141	creat$4 near10 (entry entries) near10 control$4 near10 table$1 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:22
S18 1	70	creat$4 near10 (entry entries) near10 routing near10 table$1 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:22
S18 2	7	creat$4 near10 (entry entries) near10 NAT near10 table$1 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:23
S18 3	508	(server$1 cluster$4) near10 (setup set$4 adj up creat$4) near10 (tunnel$4 channel$4 path$1) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:26
S18 4	63	(server$1 cluster$4) near10 (setup set$4 adj up creat$4) near10 (tunnel$4 channel$4 path$1) near10 (control$4 RTCP UDP) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:27
S18 5	63	(server$1 cluster$4) near10 (setup set$4 adj up creat$4) near10 (tunnel$4 channel$4 path$1) near10 (control$4 RTCP rtsp UDP) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:29
S18 6	0	(server$1 cluster$4) near10 (setup set$4 adj up creat$4) near10 (tunnel$4 channel$4 path$1) near10 (nat) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:29
S18 7	0	(server$1 cluster$4) near10 (setup set$4 adj up creat$4) near10 (tunnel$4 channel$4 path$1) near10 (adress near10 translat$4) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:30

S18 8	4061974	d	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:29
S18 9	0	(server$1 cluster$4) near10 (setup set$4 adj up creat$4) near10 (tunnel$4 channel$4 path$1) near10 (address near10 translat$4) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:30
S19 0	0	(gateway$1 router$1) near10 (setup set$4 adj up creat$4) near10 (tunnel$4 channel$4 path$1) near10 (address near10 translat$4) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:31
S19 1	1228	stream$4 near10 gateway$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:31
S19 2	271	stream$4 near10 gateway$1 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:47
S19 3	0	NAT near10 (entry entries) near10 real adj time$1 near10 protocol$1 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:48
S19 4	21	router$1 same RTSP	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:51
S19 5	58	"6003030"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:52
S19 6	2	NAT adj (table$1 entry entries) same (Stream$4 near5 protocol$1 RTSP RTP)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:53
S19 7	12	server$4 near10 creat$4 near10 NAT near10 (entry entries)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:54

S19 8	18	server$4 near10 creat$4 near10 translat$4 near10 (entry entries)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:59
S19 9	34	NAT near10 server$1 near10 (entry entries)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 12:59
S20 0	6	NAT near10 server$1 near10 (entry entries) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 13:10
S20 1	0	NAT near10 (RTP RTCP) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 13:10
S20 2	1	NAT same (RTP RTCP) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 13:11
S20 3	0	address near10 translat44 same (RTP RTCP) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 13:11
S20 4	4	address near10 translat$4 same (RTP RTCP) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 13:12
S20 5	6	address near10 translat$4 same (RTP RTCP real adj time$1 near3 protocol$1 real adj time near3 control$4 near3 protocol$4) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 13:20
S20 6	1	nat same (RTP RTCP real adj time$1 near3 protocol$1 real adj time near3 control$4 near3 protocol$4) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 13:25
S20 7	1	nat same downstream$4 near10 port$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 13:26

S20 8	0	address$4 near10 translat44 same downstream$4 near10 port$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 13:26
S20 9	6	address$4 near10 translat$4 same downstream$4 near10 port$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 13:27
S21 0	33	server$1 near10 (send$3 transmit$4) near10 (packet$1 cell$1 frame$1) near10 (address near5 translat$4 NAT PAT) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 13:36
S21 1	109	server$1 near10 (send$3 transmit$4) near10 (packet$1 cell$1 frame$1) near10 (address near5 translat$4 NAT PAT)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 13:28
S21 2	0	server$1 near10 (send$3 transmit$4) near10 SYN near10 differ$5 near10 port$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 13:37
S21 3	4	server$1 near10 (send$3 transmit$4) near10 SYN near10 port$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 13:43
S21 4	3	(proxy proxying) near10 stream$4 near10 session near10 (RTP RTCP RTSP)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 13:49
S21 5	44	NAT near10 (RTP RTCP RTSP)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 13:50
S21 6	41	NAT near10 (RTP RTCP)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 13:50
S21 7	0	address near10 translat$4 near10 (RTP RTCP) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 13:51

S21 8	50	address near10 translat$4 near10 (control$4 near10 protocol$4) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 13:51
S21 9	0	address near10 translat$4 near10 (real adj time$1 near5 control$4 near10 protocol$4) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 13:56
S22 0	0	(address near10 translat$4 NAT) near10 (real adj time$1 near5 control$4 near10 protocol$4 rtcp) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 14:03
S22 1	0	(address near10 translat$4 NAT) near10 (real adj time$1 near5 protocol$4 rtcp) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 14:03
S22 2	11	(server$1 cluster$1 gateway$1) near10 (creat$4 open$4) near10 (entry entries port$1) near10 (address$4 near5 translat$4 NAT PAT router$1) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 14:23
S22 3	14	(server$1 cluster$1 gateway$1) near10 (creat$4 open$4) near10 (entry entries port$1) near10 (address$4 near5 (map maps mapper mapped mapping) translat$4 NAT PAT router$1) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 14:23
S22 4	3	(server$1 cluster$1 gateway$1) near10 (creat$4 open$4) near10 (entry entries port$1) near10 (address$4 near5 (map maps mapper mapped mapping) translat$4 NAT PAT router$1) and @ad<"19990818" not S222	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 14:27
S22 5	24	(real adj time adj3 protocol$1 RTCP RTP) near10 (address$4 near5 (map maps mapper mapped mapping) translat$4) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 14:31
S22 6	24	(real adj time adj3 protocol$1 RTCP RTP) near10 (address$4 near5 (map maps mapper mapped mapping) translat$4 nat) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 14:31

S22 7	3	(real adj time adj3 protocol$1 RTCP RTP) near10 port$4 near10 table$1 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 14:41
S22 8	168009	(real adj time adj3 protocol$1 RTCP RTP) near10 address (map$2 mapping) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 14:42
S22 9	1	(real adj time adj3 protocol$1 RTCP RTP) near10 address near10 (map$2 mapping) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 14:42
S23 0	0	(real adj time adj3 protocol$1 RTCP RTsP) near10 address near10 (map$2 mapping) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 14:42
S23 1	9	NAT near10 data near10 structure$1 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 14:46
S23 2	0	one near5 port$1 near5 greater near10 control$1 near10 protocol$1 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 14:53
S23 3	7	"6360265"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 15:05
S23 4	1	"6226676".PN.	USPAT; USOCR	OR	OFF	2005/03/21 15:00
S23 5	1	"6219706".PN.	USPAT; USOCR	OR	OFF	2005/03/21 15:01
S23 6	1	"6195705".PN.	USPAT; USOCR	OR	OFF	2005/03/21 15:02
S23 7	1	"6055236".PN.	USPAT; USOCR	OR	OFF	2005/03/21 15:02
S23 8	1	"6006272".PN.	USPAT; USOCR	OR	OFF	2005/03/21 15:03
S23 9	1	"5909431".PN.	USPAT; USOCR	OR	OFF	2005/03/21 15:05
S24 0	1	"5854982".PN.	USPAT; USOCR	OR	OFF	2005/03/21 15:05

S241	3	round adj robin same RTP	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 15:08
S242	1	round adj robin same RTcP	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 15:09
S243	8	(round adj robin load$1 near3 balanc$4) near10 (RTP RTSP RTCP real adj time near3 protocol$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 15:15
S244	51	(round adj robin load$1 near3 balanc$4) same (RTP RTSP RTCP real adj time near3 protocol$1) not S243	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 15:16
S245	6	server$4 near10 (transmit$4 send$4) near10 RTCP and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 15:19
S246	5	server$4 near10 (client$4) near10 RTCP and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 15:27
S247	0	creat$4 near10 RTCP near10 connect$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 15:27
S248	44	connect$4 near10 RTCP near10 connect$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 15:28
S249	117	Maung-Zarni.xa.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 15:31
S250	319	(RTP RTCP RTSP) near10 gateway$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 15:31

S25 1	30	(RTP RTCP RTSP) near10 gateway$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 15:39
S25 2	26	(RTP RTCP RTSP) and NAT and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 15:43
S25 3	1	(RTP RTCP RTSP) same NAT and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 15:44
S25 4	1	(RTP RTCP RTSP) same (network adj address adj translat$4) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 07:30
S25 5	219	control$4 near10 RTP near10 stream$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 07:31
S25 6	49	control$4 near10 packet$4 near10 RTP near10 stream$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 07:32
S25 7	0	control$4 near10 packet$4 near10 RTP near10 stream$4 near10 port$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 07:32
S25 8	5	control$4 near10 packet$4 near10 RTP near10 stream$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 07:33
S25 9	1	RTCP same cluster$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 07:35
S26 0	18161508	RTCP same NAT and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 07:35

S26 1	1	RTCP same NAT and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 07:35
S26 2	32	RTCP same NAT	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 07:37
S26 3	84	RTCP same translat$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 07:37
S26 4	18	RTCP same translat$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 07:37
S26 5	271185	dummy RTCP packet$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 12:43
S26 6	0	dummy near10 RTCP near10 packet$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 12:44
S26 7	1101	dummy near10 packet$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 12:44
S26 8	6	dummy near10 real adj time near10 packet$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 12:54
S26 9	17	server$1 near10 send$4 near10 RTCP near10 packet$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 12:56
S27 0	0	server$1 near10 send$4 near10 real adj time near5 control$4 near10 packet$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:01

S27 1	443	server$1 near10 send$4 near10 SYN control$4 near10 packet$1 same RTCP	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:01
S27 2	394	server$1 near10 send$4 near10 SYN control$4 near10 packet$1 near10 RTCP	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:02
S27 3	0	server$1 near10 send$4 near10 SYN near10 packet$1 near10 RTCP	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:02
S27 4	114	server$1 near10 send$4 near10 SYN near10 packet$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:02
S27 5	1	server$1 near10 send$4 near10 SYN near10 packet$1 same real adj time	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:05
S27 6	2	server$1 near10 send$4 near10 SYN near10 packet$1 and real adj time near5 protocol$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:09
S27 7	165	(audio video) near10 control near10 channel$1 same real adj time	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:10
S27 8	80	(audio video) near10 control near10 channel$1 same real adj time and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:10
S27 9	83	(audio video) near10 control near10 channel$1 same (RTCP real adj time) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:10
S28 0	29	(audio video) near10 control near10 channel$1 near10 (RTCP real adj time) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:11

S28 1	0	(audio video) near10 control near10 channel$1 near10 (RTCP) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:11
S28 2	0	(audio video) near10 control near10 channel$1 near10 (RTsP) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:11
S28 3	2	(audio video) near10 control near10 channel$1 near10 (RTsP)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:11
S28 4	8	(audio video) near10 control near10 channel$1 near10 (RTcP)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:13
S28 5	32	(audio video) near10 control near10 channel$1 near10 translat$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:14
S28 6	160	(NAT translat$4) near10 (real adj time near5 protocol$1 RTP RTCP RTSP)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:15
S28 7	23	(NAT translat$4) near10 (real adj time near5 protocol$1 RTP RTCP RTSP) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:22
S28 8	23	(NAT translat$4) near10 (round adj robin) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:24
S28 9	0	SYN near10 RTCO	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:24
S29 0	1	SYN near10 RTCP	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:24

S29 1	1	SYN near10 RTsP	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:25
S29 2	141	two near5 port$1 near10 translat$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:25
S29 3	0	two near5 port$1 near10 translat$4 near10 RTSP	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:25
S29 4	0	two near5 port$1 near10 translat$4 near10 RTcP	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:26
S29 5	0	two near5 port$1 near10 translat$4 near10 RTP	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:26
S29 6	14	port$1 near10 translat$4 near10 RTP	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:26
S29 7	0	port$1 near10 translat$4 near10 RTsP	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:26
S29 8	1	port$1 near10 translat$4 near10 RTc\P	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:27
S29 9	1	port$1 near10 translat$4 near10 RTcP	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:27
S30 0	4	port$1 near10 translat$4 near10 (real adj time near5 protocol)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:32

S30 1	1	"6483912".PN.	USPAT; USOCR	OR	OFF	2005/03/22 13:29
S30 2	2	port$1 near10 allocat$4 near10 (real adj time near5 protocol)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:33
S30 3	0	port$1 near10 forward$4 near10 (real adj time near5 protocol)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:32
S30 4	22	port$1 near10 allocat$4 near10 (real adj time near5 protocol RTP RTCP RTSP)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:44
S30 5	9	port$1 near10 (MAP MAPPER MAPping maps) near10 (real adj time near5 protocol RTP RTCP RTSP)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:48
S30 6	78	(transmit$4 send$4) near10 packet$4 near10 (real adj time near5 protocol RTP RTCP RTSP) near10 server$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:49
S30 7	9	(transmit$4 send$4) near10 packet$4 near10 (real adj time near5 protocol RTP RTCP RTSP) near10 server$1 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:54
S30 8	1	(send$4) near10 packet$4 near10 (real adj time near5 protocol RTP RTCP) near10 server$1 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:55
S30 9	3	(sender) near10 (real adj time near5 protocol RTP RTCP) near10 server$1 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:56
S31 0	3	(sender SR) near10 report$4 near10 (RTCP) near10 server$1 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 13:57

S31 1	9	(sender SR) near10 report$4 near10 (RTCP) and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 14:27
S31 2	457	stream$4 near10 cluster$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 14:27
S31 3	15	stream$4 near10 server$1 near10 cluster$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 14:28
S31 4	0	(real adj time near10 protocol$1 RTP RTSP RTCP) near10 server$1 near10 cluster$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 14:31
S31 5	0	(real adj time near10 protocol$1 RTP RTSP RTCP) same server$1 near10 cluster$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 14:29
S31 6	14	(real adj time near10 protocol$1 RTP RTSP RTCP) near10 cluster$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 14:30
S31 7	2	(real adj time near10 stream$4) near10 cluster$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 14:30
S31 8	1	(real adj time near10 protocol$1 RTP RTSP RTCP) same translat$4 near10 table$1 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 14:31
S31 9	73	(real adj time near10 protocol$1 RTP RTSP RTCP) same translat$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 14:31
S32 0	57	(RTP RTSP RTCP) same translat$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 14:31

S321	20	(RTP RTSP RTCP) near10 translat$4 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 15:36
S322	2	TTL near10 field near10 expir$6 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 15:39
S323	38	(TTL time adj "to" adj live) near10 expir$6 and @ad<"19990818"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/22 15:40

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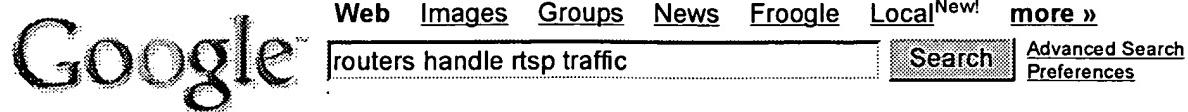
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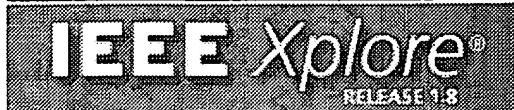
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1 Papers: Program insertion in real-time IP multicasts   ▨
Jack Brassil, Sukesh Garg, Henning Schulzrinne
April 1999 **ACM SIGCOMM Computer Communication Review**, Volume 29 Issue 2

Full text available: 📄 pdf(1.55 MB)   Additional Information: full citation, abstract, references, citings

We describe the design, implementation and operation of a prototype system which
seamlessly mixes real-time audio and video streams originating from multiple, physically
separated sources. Mixing is entirely decentralized, relying on new protocols to coordinate
transfer of session control between IP multicast sources. The system is motivated by the
desire to perform dynamic insertion of advertisements in active, real-time multimedia
sessions. It permits content providers and viewers a far richer ...

2 Papers: mmdump: a tool for monitoring internet multimedia traffic   ▨
Jacobus van der Merwe, Ramón Cáceres, Yang-hua Chu, Cormac Sreenan
October 2000 **ACM SIGCOMM Computer Communication Review**, Volume 30 Issue 5

Full text available: 📄 pdf(1.14 MB)   Additional Information: full citation, abstract, references, citings

Internet multimedia traffic is increasing as applications like streaming media and packet
telephony grow in popularity. It is important to monitor the volume and characteristics of
this traffic, particularly because its behavior in the face of network congestion differs from
that of the currently dominant TCP traffic. To monitor traffic on a high-speed link for
extended periods, it is not practical to blindly capture all packets that traverse the link. We
present *mmdump*, a tool that parse ...

3 Data and Content: MarconiNet supporting streaming media over localized wireless   ▨
multicast
Ashutosh Dutta, Subir Das, Wai Chen, Anthony McAuley, Henning Schulzrinne, Onur Altintas
September 2002 **Proceedings of the 2nd international workshop on Mobile commerce**

Full text available: 📄 pdf(464.72 KB)   Additional Information: full citation, abstract, references, citings, index terms

Flexible multi-media streaming such as advertisment insertion, location based services,
mobility and wireless access are vital components that make existing Internet Radio and TV
networks more attractive for the roaming users. All of these applications also provide added
value to telematics, and military usage including coordination, education, situation
awareness, distributed simulation, battlefield communication and multi-player games. While
content distribution over a wired network can be rea ...

Keywords: join/leave latency, marconinet, multicast, streaming

4 Mobility and Wireless Access: Mobile streaming media CDN enabled by dynamic SMIL
Takeshi Yoshimura, Yoshifumi Yonemoto, Tomoyuki Ohya, Minoru Etoh, Susie Wee
May 2002 **Proceedings of the eleventh international conference on World Wide Web**

Full text available: pdf(623.98 KB)   Additional Information: full citation, abstract, references, index terms

In this paper, we present a mobile streaming media CDN (Content Delivery Network) architecture in which content segmentation, request routing, pre-fetch scheduling, and session handoff are controlled by SMIL (Synchronized Multimedia Integrated Language) modification. In this architecture, mobile clients simply follow modified SMIL files downloaded from a streaming portal server; these modifications enable multimedia content to be delivered to the mobile clients from the best surrogates in the CD ...

Keywords: CDN, SMIL, mobile network, streaming media

5 Structuring internet media streams with cueing protocols
Jack Brassil, Henning Schulzrinne
August 2002 **IEEE/ACM Transactions on Networking (TON)**, Volume 10 Issue 4

Full text available: pdf(282.39 KB)   Additional Information: full citation, abstract, references, citings, index terms

We propose a new, media-independent protocol for including program timing, structure, and identity information in Internet media streams. The protocol uses signaling messages called *cues* to indicate events whose timing is significant to receivers, such as the start or stop time of a media program. We describe the implementation and operation of a prototype Internet radio station which transmits program cues in audio broadcasts using the Real-Time Transport Protocol (RTP). A collection of ...

Keywords: content delivery networks, multimedia signaling, real-time transport protocol (RTP)

6 The transport layer: tutorial and survey
Sami Iren, Paul D. Amer, Phillip T. Conrad
December 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 4

Full text available: pdf(261.78 KB)   Additional Information: full citation, abstract, references, citings, index terms

Transport layer protocols provide for end-to-end communication between two or more hosts. This paper presents a tutorial on transport layer concepts and terminology, and a survey of transport layer services and protocols. The transport layer protocol TCP is used as a reference point, and compared and contrasted with nineteen other protocols designed over the past two decades. The service and protocol features of twelve of the most important protocols are summarized in both text and tables.< ...

Keywords: TCP/IP networks, congestion control, flow control, transport protocol, transport service

7 Streaming: Scalable resilient media streaming
Suman Banerjee, Seungjoon Lee, Ryan Braud, Bobby Bhattacharjee, Aravind Srinivasan
June 2004 **Proceedings of the 14th international workshop on Network and operating**

systems support for digital audio and video

Full text available: 🗎 pdf(98.22 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

We present a low-overhead media streaming system, called SRMS (Scalable Resilient Media Streaming) that can be used to scalably deliver streaming data to a large group of receivers. SRMS uses overlay multicast for data distribution. to a large group of users. SRMS leverages a probabilistic loss recovery technique to provide high data delivery guarantees even under large network losses and overlay node failures. The clients in the SRMS system are able to interoperate with existing media streaming ...

Keywords: media streaming, multicast, overlay network, resilience

8 <u>DHTTP: an efficient and cache-friendly transfer protocol for the web</u>

Michael Rabinovich, Hua Wang

December 2004 **IEEE/ACM Transactions on Networking (TON)**, Volume 12 Issue 6

Full text available: 🗎 pdf(487.71 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Today's HTTP carries Web interactions over client-initiated TCP connections. An important implication of using this transport method is that interception caches in the network violate the end-to-end principle of the Internet, which severely limits deployment options of these caches. Furthermore, while an increasing number of Web interactions are short, and in fact frequently carry only control information and no data, TCP is often inefficient for short interactions We propose a new transfer prot ...

Keywords: HTTP protocol, interception caching, internet, web performance

9 <u>Mocha: a quality adaptive multimedia proxy cache for internet streaming</u>

Reza Rejaie, Jussi Kangasharju

January 2001 **Proceedings of the 11th international workshop on Network and operating systems support for digital audio and video**

Full text available: 🗎 pdf(240.20 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Multimedia proxy caching is a client-oriented solution for large-scale delivery of high quality streams over heterogeneous networks such as the Internet. Existing solutions for multimedia proxy caching are unable to adjust quality of cached streams. Thus these solutions either can not maximize delivered quality or exhibit poor caching efficiency. This paper presents the design and implementation ofMocha, a quality adaptive multimedia proxy cache for layered encoded streams ...

10 <u>2b---Hypertext Systems: Its about time: link streams as continuous metadata</u>

Kevin R. Page, Don Cruickshank, David De Roure

September 2001 **Proceedings of the twelfth ACM conference on Hypertext and Hypermedia**

Full text available: 🗎 pdf(289.08 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

As enabling technologies become available there is an increasing use of temporal media streams, such as audio and video, within a hypertext context. In this paper we present the rationale and requirements for delivering continuous metadata alongside the media stream, and focus on linking as our case study. We consider the mechanism for delivery of the metadata across a distributed system, the format and content of the metadata flow itself, and the presentation of the media and augmenting meta ...

Keywords: metadata, open hypermedia, streamed media, temporal linking

11 <u>Services: A mobility-aware broadcasting infrastructure for a wireless internet with hotspots</u>

Cristian Hesselman, Henk Eertink, Ing Widya, Erik Huizer

September 2003 **Proceedings of the 1st ACM international workshop on Wireless mobile applications and services on WLAN hotspots**

Full text available: pdf(292.13 KB) Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

In this paper, we consider the problem of adaptively delivering live multimedia broadcasts (e.g., for applications such as TV, radio, or e-cinema) to a potentially large number of mobile hosts that roam about in a wireless internet with hotspots. We take a user-oriented approach based on an application-level delivery infrastructure consisting of and managed by (value-added) service providers. The service providers are mobility-aware and offer broadcasts in configurations that are optimized for w ...

Keywords: hotspots/overlays, mobility, multimedia broadcasting, negotiation

12 <u>A unified header compression framework for low-bandwidth links</u>

Jeremy Lilley, Jason Yang, Hari Balakrishnan, Srinivasan Seshan

August 2000 **Proceedings of the 6th annual international conference on Mobile computing and networking**

Full text available: pdf(1.35 MB) Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Compressing protocol headers has traditionally been an attractive way of conserving bandwidth over low-speed links, including those in wireless systems. However, despite the growth in recent years in the number of end-to-end protocols beyond TCP/IP, header compression deployment for those protocols has not kept pace. This is in large part due to complexities in implementation, which often requires a detailed knowledge of kernel internals, and a lack of a common way of pursuing the general p ...

13 <u>Roaming and handoff management: MobileNAT: a new technique for mobility across heterogeneous address spaces</u>

Milind Buddhikot, Adiseshu Hari, Kundan Singh, Scott Miller

September 2003 **Proceedings of the 1st ACM international workshop on Wireless mobile applications and services on WLAN hotspots**

Full text available: pdf(303.26 KB) Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

We propose a new network layer mobility architecture called MobileNAT to efficiently support micro and macro-mobility in and across heterogeneous address spaces common in emerging public networks. The key ideas in this architecture are as follows: (1) Use of two IP addresses -- an invariant virtual IP address for host identification at the application layer and an actual routable address at the network layer that changes due to mobility. Since physical address has routing significance only withi ...

Keywords: MobileNAT, mobility

14 <u>An RTP-based synchronized hypermedia live lecture system for distance education</u>

Herng-Yow Chen, Yen-Tsung Chia, Gin-Yi Chen, Jen-Shin Hong

October 1999 **Proceedings of the seventh ACM international conference on Multimedia (Part 1)**

Full text available: pdf(930.85 KB) Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

In this article, we have introduced a "Live Synchronized Hypermedia Live Lecture (SHLL) System" using RTP to synchronize the live presentation of streaming video lecture, HTML-

based lecture notes, and HTML page Navigation Events. The SHLL framework consists of three major modules: (1) SHLL Recorder- for recording the temporal information of the AV lecture and the HTML-based lecture notes navigation processes. (2) SHLL Event Server- for receiving, depositing, and multicasting SHL ...

Keywords: RTP, distance learning, multimedia synchronization

15 Poster session and reception: A real-time e-learning system via satellite based on JMF and Windows Media
Juan C. Guerri, Carlos E. Palau, Ana Pajares, Manuel Esteve
December 2002 **Proceedings of the tenth ACM international conference on Multimedia**

Full text available: pdf(196.03 KB)   Additional Information: full citation, abstract, references, index terms

In this paper we present the design and development of a real-time e-learning system at the Polytechnic University of Valencia. The main novelty of this multimedia virtual classroom is the integration of Windows Media, Java Media Framework (JMF) and MPEG4 in a web-based environment. The communication network used in this real-time e-learning system is a satellite network for the multicasting of high-quality video from the teachers to the students using RTP, together with Internet/ISDN as return ...

Keywords: JMF, RTP/RTCP, Windows Media, e-learning, multimedia applications, satellite communications

16 Session 8: systems support for multimedia: Cost-effective streaming server implementation using Hi-tactix
Damien Le Moal, Tadashi Takeuchi, Tadaaki Bandoh
December 2002 **Proceedings of the tenth ACM international conference on Multimedia**

Full text available: pdf(271.85 KB)   Additional Information: full citation, abstract, references, index terms

High performance and high quality for continuous media stream delivery needed by streaming server systems cannot be achieved efficiently using general-purpose operating systems, due to the overhead of the I/O mechanism implementation generally used. Special OS combined with powerful hardware can deliver better performance and quality but increases development complexity and deployment costs. The External I/O Engine Architecture adopts a hybrid approach, implementing streaming engines using the s ...

Keywords: audio/video streaming, operating system, quicktime, real-time

17 Streaming Media
Frank LaMonica
January 2001 **Linux Journal**

Full text available: html(24.84 KB)   Additional Information: full citation, abstract, references, index terms

LaMonica describes the hardware and software technology used on the server side of the streaming process.

18 QoS and congestion control: Quality-adaptive media streaming by priority drop
Charles Krasic, Jonathan Walpole, Wu-chi Feng
June 2003 **Proceedings of the 13th international workshop on Network and operating systems support for digital audio and video**

Full text available: pdf(395.62 KB)   Additional Information: full citation, abstract, references, citings, index terms

This paper presents a general design strategy for streaming media applications in best effort computing and networking environments. Our target application is video on demand using personal computers and the Internet. In this scenario, where resource reservations and admission control mechanisms are not generally available, effective streaming must be able to adapt in a responsive and graceful manner. The design strategy we propose is based on a single simple idea, priority data dropping, or ...

Keywords: *internet, priority mapping, quality adaptive streaming*

19 Exploiting temporal parallelism for software-only video effects processing ☐
Ketan Mayer-Patel, Lawrence A. Rowe
September 1998 **Proceedings of the sixth ACM international conference on Multimedia**

Full text available: pdf(1.06 MB)   Additional Information: full citation, references, citings, index terms

20 Collaboration, earth, and graphs: An efficient system for collaboration in tele-immersive ☐
environments
N. Jensen, S. Olbrich, H. Pralle, S. Raasch
September 2002 **Proceedings of the Fourth Eurographics Workshop on Parallel Graphics
and Visualization**

Full text available: pdf(371.53 KB)   Additional Information: full citation, abstract, references, index terms

The paper describes the development of a high-performance system for visualizing complex scientific models in real-time. The architecure of the system is a client/server model, in which the simulator generates lists of 3D graphics objects in parallel to the simulation, from where they are sent to a streaming server. The server transfers the 3D objects to viewer clients. Clients communicate over a second connection with each other, which adds the ability to perform collaborative tasks. An applica ...

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